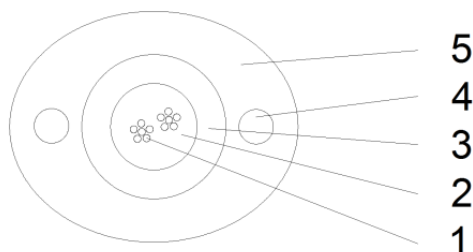


DIRECT BURIED DROP CABLE FYO2PMU



1. Optical fibres	2. Jelly filling	3. Core tube	4. Steel wire
5. Sheath			

Application Optical fibre cable for connecting the end-user to access network in Fibre To The Home (FTTH) applications .
Suitable for direct buried or duct installation.

Construction

Optical fibres	Coloured single-mode fibres according to the ITU-T G.652.D and IEC 60793-2-50 B1.3
Secondary coating	A plastic core tube with jelly filling.
Strength members	Two 1,2 mm high tensile strength steel wires in the sheath.
Outer sheath	The cable sheath consists of UV resistant black polyethylene compound (LDPE). Minimum sheath thickness is 1,2 mm. Min. thickness from wire to outer surface is 0,5 mm.
Sheath marking	Marking printed on the sheath at one meter interval: Nestor Cables - cable type - lot number - year of manufacture - length marking

Standard references

Cable properties	IEC 60794-3-11
Test methods	IEC 60794-1-2x
Halogen free	IEC 60754-2, EN 50267-2-1, EN 50267-2-2

Maximum cabled fibre attenuation					
Wavelength	1310	1383	1550	1625	nm
Attenuation	0,36	0,36	0,22	0,24	dB/km

Nominal dimensions								
Fibres		Diameter [mm]				Weight [kg/km]	Minimum bending radius [mm]	
Count	Grouping	Core tube	Cable width	Cable height	Average	Cable	Dynamic	Static
4	4	5,0	10,7	8,3	9,5	86	160	100
6	6	5,0	10,7	8,3	9,5	86	160	100
12	12	5,0	10,7	8,3	9,5	86	160	100
24	2x12	5,0	10,7	8,3	9,5	86	160	100

Lay-up and colour of the fibres and group yarns			
Number of fibres	Lay-up	Colour of the group yarns	Colour of the fibres
4	1x4	-	blue, white, yellow, green
6	1x6	-	blue, white, yellow, green, grey, orange
12	1x12	-	blue, white, yellow, green, grey, orange, brown,
24	2x12	blue, white	aqua, black, violet, pink, red
Colour coding standard			FIN2012

Cable characteristics		
Max. tension	- Installation, fibre elongation $\leq 0.33\%$, no change ($\geq 0,05$ dB) in attenuation after test.	3500 N
	- Operation, -no change ($\geq 0,05$ dB) in attenuation during test.	2000 N
Crush strength	-With 100 mm plate	5000 N
	-With 25 mm mandrel	2000 N
Bending radius	- During installation (dynamic)	20 x Diameter
	- Final installation (static)	12 x Diameter
Impact	- Energy	20 J, one impact
Torsion	- Number of turns	± 1 , (length 1000 mm)
Temperature range	- Operation, storage, transport	-45 to +70 °C
	- Installation	-15 to +70 °C
Water penetration		< 3 m, 24 h

©Nestor Cables Ltd. 2015.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the prior written consent of Nestor Cables Ltd. The information is believed to be correct at the time of issue. Nestor Cables Ltd. reserves the right to amend this specification without notice. This specification is not contractually valid unless specifically authorized by Nestor Cables Ltd.